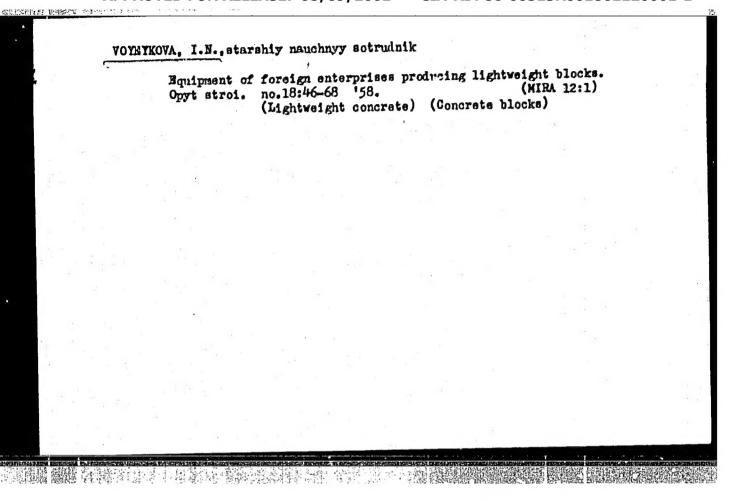
The best place in the house should be the child's study corner. Rabotnitsa 37 no.9:28 8 '59. (MIRA 13:1) (Children--Care and hygiene)

WOYE'KOVA, I.N., kand.iskusstvovedeniya

Rolled materials for finishing walls. Opyt stroi. 15:87-105 '58.

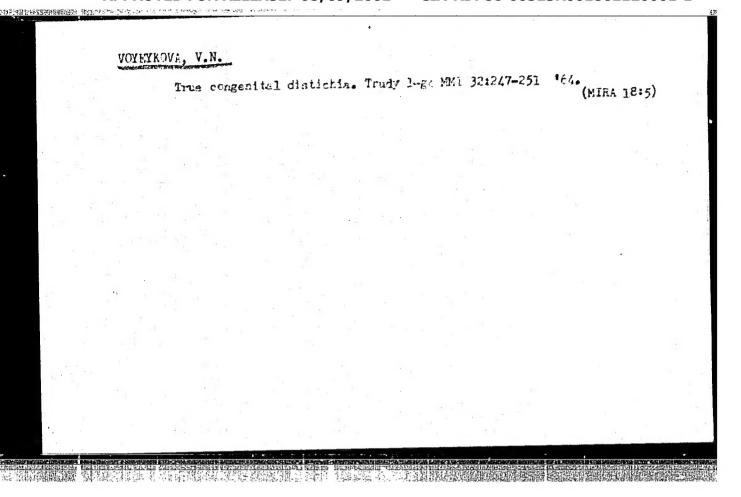
(Wallpaper) (MIRA 11:11)



| Coiled finishino.16:105-121 | ing materials '58. (Wallpaper) | for walls and (Linoleum) | i floors. | Opyt. | stroi. (MIRA | 11:9) | 4 |
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Preparation and use of peat-manure-earth composts. Inform. biul. VDNKH no.2:27-28 F 64. (MIRA 17:8)

1. Laboratoriya mekhanizatsii primeneniya udobreniy Vsesoyuznogo nauchno-issledovatel skogo instituta udobreniy.



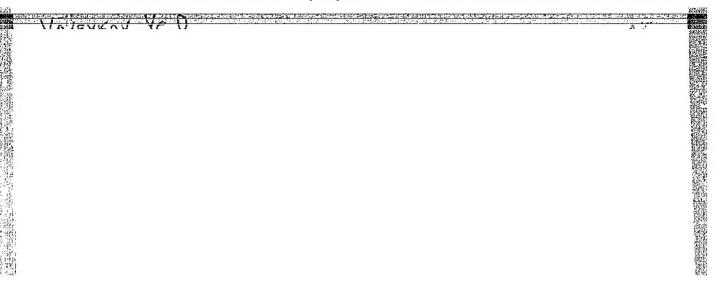
LUPAKOV, I.S., kand.tekhn.nauk; VOYEYKOV, V.P., inzh.

Use of EI692 steel for work at 800 . Metalloved.i term.obr.met.

no.2149-51 F 162.

(Steel, Heat resistant) (Metals at high temperature)

(Steel, Heat resistant)



APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001861120001-1"

VOYEYKOVA, E. D.

1324. Issledovaniye kataliticheskogo vosstanovleniya ionov serebra proyavlyayvshchimi veshchestvami. [L.]. 1954. 12s. s graf. zosm. (Gos. ordena Lenina optich. in-t im. S. I. Vavilova). 100 ekz. B. ts. - [54-52863]

SO: Enizhnaya Letopis, Vol. 1, 1955

KULICHENKO, V.F.; KOVYHSHINA, I.B.; VOYNYKOVA, I.S.; SHIRINA, K.F.; BUGEL'SKIY, Yu.A.

[Skillful hands; organization and work of the "Skillful Hands" club] Umelye ruki. Organizatsiia i sodershanie raboty krushka "Umelye ruki." Izd-vo TsK VLKSM "Molodaia gvardiia", 1953. 286 p. (MLRA 6:11) (Manual training)

BERRI, R.Ya., dotsent; KOZYLYAYEV, P.A., dotsent; LUNTS, G.L., dotsent; LIBIN, M.L., starshiy prepodavatel; ROZEHTAL; M.I., assistent. Prinimali uchastiye: FUKS, B.A., prof.; NOYEKKOWA, S.W., dotsent; KOZITSIN, V.I., dotsent; TEUSH, V.L., dotsent. ANOSHIMA, K.I., red.; KUZ'MINA, N.S., tekhn.red.

[Higher mathematics; instructions and control problems for students specializing in agriculture, fish culture, and forestry in upper-level correspondence schools (departments)] Vysshaia matematika; metodicheskie ukazaniia i kontrol'nye zadaniia dlia studentov sel'skokhoziaistvennykh, rybokhoziaistvennykh i lesokhoziaistvennykh spetsial'nostei zaochnykh vysshikh uchebnykh zavedenii (fakul'tetov). Pod red. G.L.Luntsa. Moskva, Gos.izd-vo "Sovetskaia nauka," 1958.
90 p. (MIRA 12:4)

1. Russia (1923- U.S.S.R.) Ministeratvo vysshego obrazovaniya. Metodicheskoye upravleniye. (Mathematics)

FATERMAN, G.P.: VOTEYKOVA, Ye.D.

Study of the catalytic effect of sols on the reduction of silver ions

Study of the catalytic effect of sols on the reduction of silver ions

(MIRA 9:4)

with developers. Usp.nauch.fot.no.4:150-163 **155.*

(Photography--Developing and developers)

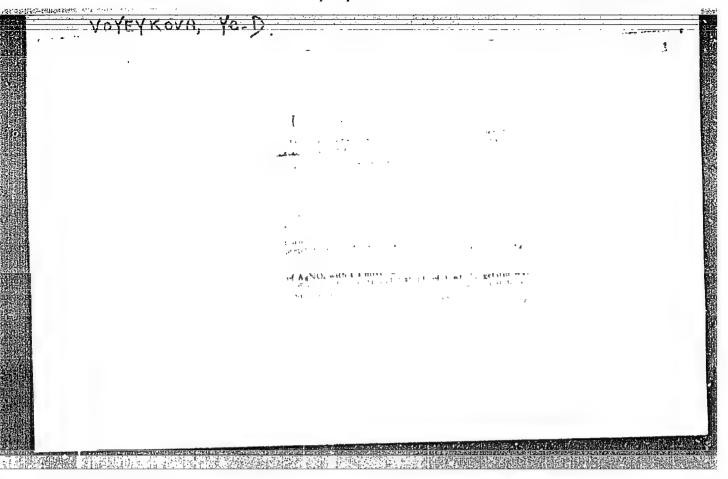
VOYEYKOUN, Ye. D.

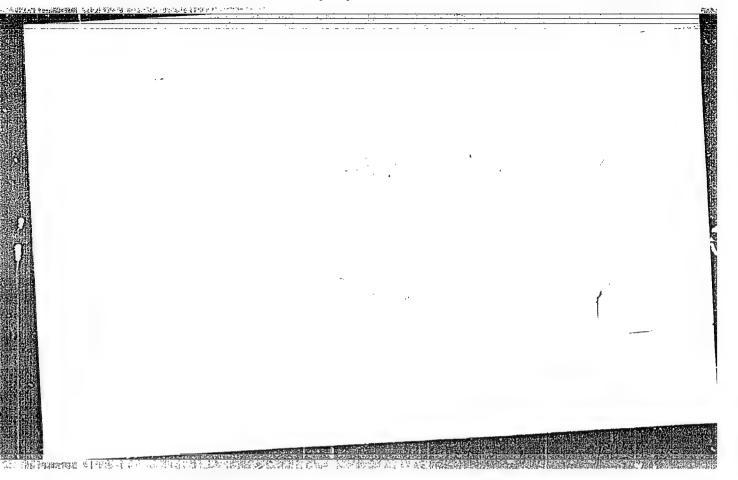
PAYERMAN, O.P.; VOYEYKOVA, Ye.D.

Mechanism of the catalytic action of development muclei. Usp.
nauch.fot. 3:174-182 '55.

(Photographic chemistry)

(Photographic chemistry)





"Investigation of the Catalytic Reduction of Silver Ions by Developers." Cand Chem Sci, State Optical Inst, Lemingrad 1954. (KL, No 1, Jen 55)

Survey of Scientific and Tochnical Dissertations Defended at USSR Higher Educational Institutions (13)
SO: Sum. No. 598, 29 Jul 55)

VOICT, J.

Votgu, d. and Heumann, J.

The preparation of monodisporsed silver hydrosol free from protectin; colloids

Z anorg. allgem. Chem., Vol. 164, 1927, pp. 109-19

Chen. Abs., Vol. 21, 3512

The usual Ag hydrosols are polydispersed and contain varicolored subsierons. Sols with uniformly colored particles can be propd. It is necessary to have materials of the utmost purity and to use very dil. /g solms. As starting material, a solm. of Ago contg. 0.001% Ag was used. The method of seeding with Ag or Au nuclei was employed. The Au proved more favorable. Hydrazine sulfate or hydrate, formal and H2O2were found suitable reducing agents. Solms. of P in ether were unsuitable because spontaneous nucleus formation takes place too readily.

voygi, M.

Menzel, Henrich; Schulz, H.; Sieg, L; and Voigt, M.

Boric acids and alkali salts of boric acids. Supplement to communication VIII. IX. The system sodium tetraborate water.

Z. anorg. allegem. Chem., Vol. 224, 1935 pp. 1-22

Chem. Abs., Vol. 30, P. 7848-3

NAME OF THE PROPERTY OF THE PR

VOYINOV, A.P.

124-11-13409

Translation from: Referativnyy Zhurnal, Mekhanika, 1957, Nr 11, p 155 (USSR)

AUTHOR: Voyinov , A. P.

Steel-Wood Beams. TITLE:

(Stalederevyanye balki.)

Nauk. pratsi Kharkivs'k. in-t inzh. komun. budivnitstva1956, Nr 7, 17-60 (Ukrainian paper with Russian resume). PERIODICAL:

Theoretical and experimental investigations show that the carrying ability of a wooden beam can be increased by bonding a reinforcing steel flange onto it at temperatures of 160°-200° (C) with water-ABSTRACT: resistant bonding BF-2 or BF-4. The resulting prestrest ad condition

increases the operational carrying strength of the beam. Computational

procedure and test results are shown. Bibliography: 5 references.

A. V. Dyatlov

Card 1/1

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001861120001-1"

VOYK, V. A matter of national significance. Sov.profsoluzy 6 no.17:16-17 D '58. (MIRA 12:1) 1. Predsedatel' Leningradskogo oblastnogo komiteta profsoyuza rabochikh mashinostroyeniya. (Leningrad—Machinery industry) (Efficiency, Industrial)

POLAND / Farm Animals, Honey-Bees

Q-8

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7258

Author : Jerzy Voyke Inst : Not given

Title : Bees Do Not Differentiate Between the Larvae

of Drones and Bees

Orig Pub: Pszczelarstwo, 1956, 7, No 5, 1-4 (Pol'sk).

Abstract: The author has observed instances of the establishment by bees of queen cells in honeycombs close to the brood of drones. The queen cells in these cases were in no way different from those usually used by queen bees. From a standard beehive, the entire brood was removed, and from other beehives three frames of sealed and three frames of unsealed broods of bees

were brought in, as well as three frames of unsealed drone broods, which had been obtained

Card 1/2

POLAND / Farm Animals, Honey-Bees
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Alis APRROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R801861120001-1"

Abstract: from a colony of drones who had deposited their unfertilized ova in the cells meant for bees. Three days later, a queen cell was found in the honeycomb of the drones.similar to those found experiment, honeycombs with an unsealed brood from the drone colony and from another normal Three days later, the bees established five queen drones. Conclusion was drawn that bees, during distinguish between the broods of the bee and

21.

VOYKHANSKAYA. B. S.

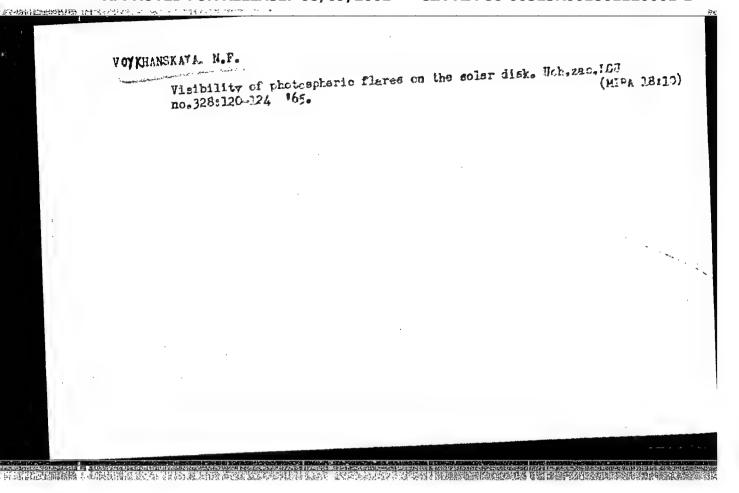
37419. SUKHENKO, F. T. i VOYKHANSKAYA, B. S. Soderzhaniye Vitamina Cv Raznykh Sortakh Pomidorov. V Ogl. 2-Y Avt: B. O. Voykhanskaya. Sbornik Rabot Po Voprosam Gigiyeny Pitaniya. Novosibirsk, 1949, s. 128-33.— Bibliogr: 8 Nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

SAMSONOV, G.V.; VFDENEYEVA, V.V.; SELEZNEVA, A.A.; VOYKHANSKAYA, E.Ye.

Ion exchange on anion exchangers involving penicillin. Zhur. fiz. khim. 37 no.4:725-729 Ap 63. (MIRA 17:7)

1. Leningradskiy khimiko-farmatsevticheskiy institut.



VOYKHANSKAYA, N.F.

The broadening mechanism of Fraunhofer hydrogen lines. Astron.zhur.
42 no.5:1122; S-0 165. (MIRA 18:10)

1. Leningradskiy gosudarstvennyy universitet, kafedra astrofiziki.

E TANDET E LE TRANSPORTE DE LA COMPANION DE LA

L 5432-66 EWT(1) GW

ACC NR: AT5026210

SOURCE CODE: UR/2703/65/000/328/0120/0124

Voykhanskaya, N. AUTHOR:

31 8+1

CRG: Astronomical Observatory, Leningrad State University (Astronomicheskaya observatoriya, Leningradskiy gosudarstvennyy universitet) 55

TITLE: On the visibility of photospheric flares on the solar disk

SOURCE: Leningrad. Universitet. Uchenyye zapiski, no. 328, 1965. Seriya matematicheskikh nauk, no. 39. Trudy Astronomicheskoy observatorii, v. 22, 120-124

TOPIC TAGS: solar photosphere, photosphere, solar flare, solar telescope, solar visible radiation, solar limb, solar disk, temperature gradient, temperature distribution, solar radiation scattering

ABSTRACT: An explanation is given for the visibility of flares for a 200-degree temperature difference between them and the photosphere and for their gradual disappearance in moving toward the center of the solar disk. The relative gradient $\Delta \Phi$ is calculated from the formula

Card 1/3

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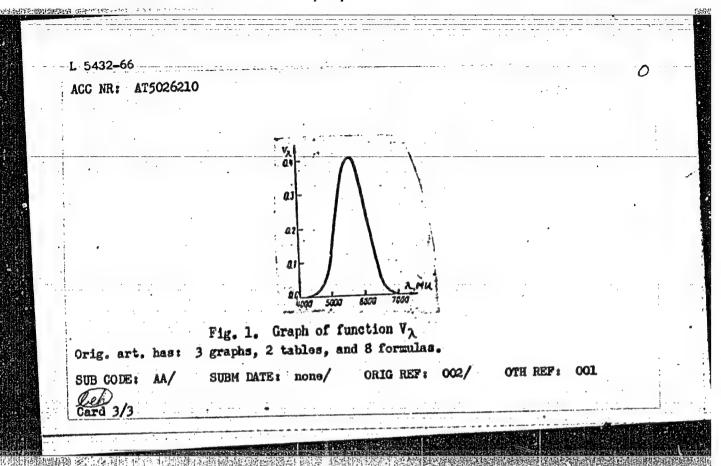
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ACC NR: AT5026210

where Φ_0 is the spectrophotometric gradient at the point of comparison. From this, the spectrophotometric gradient Φ and the temperature T are found. The contrasts are calculated, assuming that the photosphere and a flare radiate as an absolutely black body. The visibility function V_{λ} is calculated by the formula absolutely black body.

where P_{λ} is the transmission of the atmosphere, z the zenith distance of the sun, η_{λ} the light losses in the optics of the telescope, and v_{λ} the visibility function of the naked eye. A curve of V_{λ} for the solar telescope of the Astronomical Observatory of Leningrad State University is shown in Fig. 1. Corrections are made for light scattering by the atmosphere. It is found that as a flare moves are made for light scattering by the atmosphere. It is found that it grad-toward the center of the solar disk its visibility is impaired and that it grad-toward the center of the solar disk its visibility is impaired to the center it ually disappears. The greater the area of the flare, the closer to the center it can be seen.

Card 2/3



"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120001-1

UR/0259/66/000/005/0057/0057 SOURCE CODE: ACC NR: AR6028763 AUTHOR: Voykhanskaya, N. F. TITLE: Investigation of motion in solar facular plages using K2 and K3 lines of ionized Ca SOURCE: Ref. zh. Astronomiya, Abs. 6.51.452 REF SOURCE: Solnechnyye dannyye, no. 9, 1965, 57-61 TOPIC TAGS: solar facula, solar plage, solar photosphere TRANSLATION: The K2 and K3 Ca II lines from spectrograms obtained by the solar telescope of the Astronomical Observatory of the Leningrad State University (solar image diameter 203 mm, dispersion 0.98 A/mm) were used to measure facular rates v_{p} and turbulence rates v_t above the faculae. The obtained values of turbulence rates agree with the values previously obtained by V. A. Krat and V. L. Khokhlova. Gradient $v_{f t}$ in the 7 referchromosphere above the faculae was determined: it amounts to 7 m/sec per km. ences. M. G. SUB CODE: 03 Card 1/1

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001861120001-1"

| VOYK | HOWSKIY, M. YE. | 56-4-26/54 |
|-------------|---|---|
| AUTHOR: | Voykhanskiy, M.Ye. Selection Rules for Electroma Nuclei (Pravila otbora dlya e | |
| PERIODICAL: | Zhurnal Eksperim. i Teoret. F | transitions in a badly |
| ABSTRACT: | deformed nucleus $\Delta \Lambda_f - \Lambda_i = \sum_{f=0}^{N} \Delta \Lambda_f - \Lambda_i = \sum_{f=0}^{N} \Delta \Lambda_f - \Lambda_i = \sum_{f=0}^{N} \Delta \Lambda_f - \Lambda_f = \sum_{f=0}^{N} \Delta \Lambda_f - \Delta_f = \sum_{f=0}^{N} \Delta \Delta_f - \Delta_f = \sum_{f=0}^{N} \Delta_f - \Delta_f = \sum$ | $\sum_{i} \sum_{j=1}^{N-N} An_{z} = Additional conditions$ $\sum_{i} \sum_{j=1}^{N-N} An_{z} = Additional conditions$ |
| Card 1/2 | a) selection rules of the multipole order λ : $ \frac{\pm \lambda}{\pm (\lambda - 1)} \qquad \qquad \frac{\pm \lambda}{\pm (\lambda - 1)} \qquad \qquad 0 $ 0 0 0 | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ |

| Selection Rules for Electromagnetic Transition in Deformed Nuclei $ \frac{1}{1} \frac$ |
|--|
| SUBMITTED: May 8, 1957 (Inc.) AVAILABLE: Library of Congress Card 2/2 |
| Card 2/2 |
| |

sov/48-23-2-15/20

21(7)

Voykhanskiy, M. Ye., Listengarten, M. A.

AUTHORS:

On the Selection Rules of Conversion Transitions (O pravilakh

TITLE:

otbora pri konversionnykh perekhodskh)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959,

Vol 23, Nr 2, pp 238-243 (USSR)

ABSTRACT:

The conversion probability is determined by the sum of the The conversion probability is describing by and $\langle U_{\gamma} \rangle$. Both internal and external matrix elements $\langle M_{e} \rangle$ and $\langle U_{\gamma} \rangle$. Both matrix elements are subject to various selection rules. If

there is a selection rule according to which the probabilities of internal conversion are not influenced in the case of strong decrease of the probability of y radiation and external conversion, the nucleus largely contributes to conversion and the CIC (coefficients of internal conversion) depend on the nuclear structure. Therefore, CIC measurements may indicate the nuclear structure. Also the problem of selection rules for conversions on forbidden transitions is connected herewith. In the present paper the selection rule is given in a general form for transitions of any multipole order on the basis of asymptotic quantum numbers for the matrix

Card 1/3

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SOV/48-23-2-15/20

On the Selection Rules of Conversion Transitions

elements of $\langle \mathbf{Y}_e \rangle$ internal conversion in nonspherical nuclei. In addition, the selection rule for electric conversion transitions is given more accurately than in reference 5, taking into account the complete term for the nuclear currents of transitions. The influence exercised by the nuclear structure upon the CIC is determined by the quantity of parameter $\lambda = \langle \mathbf{M}_e \rangle / \langle \mathbf{U}_{\gamma} \rangle$. In the case of a magnetic 2^1 -pole radiation the CIC depend only on one parameter λ_1^0 , in the case of electric multipoles they depend on $\lambda_1^{(+1)}$ and $\lambda_1^{(-1)}$. The obtained selection rules, with respect to the asymptotic quantum numbers, for the matrix elements of inner conversion in nonspherical nuclei are given in table 1 (electric multipole order) and table 2 (magnetic multipole order). For electric dipole conversions it was found that they differ from all other radiation and conversion transitions at small energies by their spin. There are 2 tables and 11 references, 4 of which are Soviet.

Card 2/3

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001861120001-1"

SOV/48-23-2-15/20

On the Selection Rules of Conversion Transitions

ASSOCIATION: Nauchno-issledovatel'skiy fizicheskiy institut Leningradskogo gos. universiteta im. A. A. Zhdanova

(Scientific Research Institute of Physics of Leningrad

State University imeni A. A. Zhdanov)

Card 3/3

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120001-1

VOYKHANSKIY, M. YE.

AUTHOR:

Voykhanskiy, M.Ye.

56-4-39/54

TITLE:

An Asymptotic Selection Rule for the B-Disintegration of Deformed Nuclei (Asimptoticheskiye pravila otbora dlya B-raspada deformirovannykh yader) (Letter to the Editor)

PERIODICAL:

Zhurnal Eksperim. i Teoret. Fiziki, 1957, Vol. 33, Nr 4, pp. 1054 - 1056 (USSR)

ABSTRACT:

The selection rules of the asymptotic quantum numbers N, n_z , Λ , Σ , for β -transitions of any degree of interdiction ($\lambda > 1$) for the different interaction possibilities are theoretically derived. They are:

| possibi lities | - matrix elements | K = ΔΩ= ΔΙ | ΔΛ | ΔΣ | Δn _z | ΔM |
|-------------------|---------------------------------|--------------------------------------|---|--------------------------|-------------------------|---------------------------------------|
| 3, V V T, A | ∫yλk(x) ∫yλk(∇) ∫yλ+1k(σ) | ± λ ± λ {± λ ± λ ± (2+1) | ± え ± え (<u>t/</u> (ハーイ) (± え (± え | 0 0 (±1 0 ±1 | 0 0 (11 0 0 | λ, λ -2λ λ, λ -2λ } λ, λ -2λ |

Card 1/2

LENGTH SECTION ASSESSMENT OF

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001861120001-1"

56-4-39/54 An Asymptotic Selection Rule for the B-Disintegration of Deformed Nuclei

| possibi- lities | matrix elements | к-ДО-Д | ΔΛ | ΔΣ | Δn_z | Δи |
|--------------------|-------------------|--------|-----------------|--|------------------|-----------------|
| Т, А | (γλ κ[σ =] | ±λ | ∫±(λ−1) ±λ | $\begin{cases} \frac{+1}{0} \end{cases}$ | \(\frac{+1}{0}\) | } λ, λ -2····-λ |
| T | {yλ κ[σ√] | ±λ | {±(λ−1) (±)λ | {±1 0 | {±1 0 | } λ,λ -2····-λ |

There are 1 table and 1 Slavic reference.

ASSOCIATION:

Leningrad Pedagogical Institute imeni A.I. Gertsen

(Leningradskiy pedagogicheskiy institut imeni A.I. Gertsena)

SUBMITTED:

July 2, 1957

AVAILABLE:

Library of Congress

Card 2/2

VOYKHANSKIY, M. Ye. Probabilities of radiative transitions in odd and odd-odd deformed nuclei. Izv. AN SSSR. Ser. fiz. 27 no.1:118-124 (MIRA 16:1)

Ja 163.

(Quantum theory) (Nuclei, Atomic)

DZHELEPOV, B.S.; VOYKHANSKIY, M.Ye.; MEDVEDEV, A.I.; UCHEVATKIN, I.F.

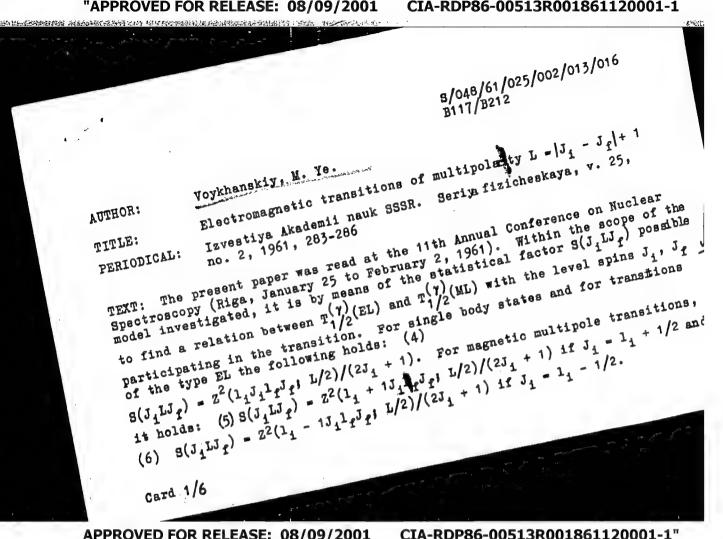
On the nature of the 531.8 Kev. level of Er167.

Dokl. AN SSSR 146 no.4:789-792 0 '62. (MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut
metrologii im. D.I. Mendeleyeva. 2. Chlen-korrespondent
AN SSSR (for Dzhelepov).

(Erbium)

(Quantum theory)



APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001861120001-1"

S/048/61/025/002/013/016 B117/B212

Electromagnetic transitions ...

The function Z(abcd; 1/2 L) in formulas (4), (5), and (6) represents a combination of the Racah coefficient W (abcd; 1/2 L) and the Clebsch-Gordan coefficient (Ref. 3). In the values of the level spin J_1 , J_1 and the multipolarity L are given then the formulas (4)-(6) yield the same result. The statistical numerical values of $S(J_1LJ_1)$ for γ -transitions with $L=|J_1-J_1|$ are given in Table 1 and those for $S(J_1LJ_1)$ for the γ -transitions of the type EL and ML for the multipolarity $L=|J_1-J_1|+1$ are given in Table 2. The mixtures of the type M1 + E2 and E1 + M2 have a special meaning. Considering $S(J_1LJ_1)$ for these transitions leads to various effects, according to the value of the spins J_1 , J_1 of initial and final states. 1) At $J_1=1/2$ or $J_1=1/2$, but $J_1=1/2$ or $J_2=1/2$, but $J_1=1/2$ or $J_3=1/2$, the dipole and quadrupole radiation is characterized by the same value of $S(J_1LJ_1)$. 2) At J_1 , $J_1=1/2$ and $J_1=1/2$ taking into account the statistic factor leads to a greater probability (1.2 to 1.7 times greater) of a dipole radiation and a considerably smaller probability (up to 1/20 and higher) of a quadrupole radiation. For transitions with equal

Card 2/6

Electromagnetic transitions ...

S/048/61/025/002/013/016 B117/B212

values of the spin $J_i = J_f$ the consideration of $S(J_iLJ_f)$ shows an opposite effect: The probability of a dipole radiation decreases substantially (down to 1/50 and more), the probability of a quadrupole radiation remains practically unchanged. Table 3 gives numerical values of the statistical factor for the transitions $J_i = J_f$. A magnetic multipole radiation $L = J_i - J_f l$ is possible for transitions between the following states: Either

 $J_{i} = l_{i} + 1/2 \longrightarrow J_{f} = l_{f} - 1/2$, or $J_{i} = l_{i} - 1/2 \longrightarrow J_{f} = l_{f} + 1/2$. Table 4

shows formulas for the dimensionless factor Mµ for four possible types of transitions. J> denotes the largest and J< the smallest values of J_i and J_f It is shown that for magnetic multipole transitions with $L = |J_i - J_f| + 1$ there is a dependence of the transition probability (according to Moshkovskiy) on the level spin J_i and J_f not only in the statistical factor but also in Mµ. According to Weisskopf it exists only in the statistical factor. The electric and magnetic multipole transitions $L_1 = |J_1 - J_f|$ and $L_2 = |J_1 - J_f| + 1$ are characterized by the statistical factor $S(J_1LJ_f)$ which differs consider—Card 3/6

Electromagnetic transitions ...

S/048/61/025/002/013/016 B117/B212

ably with the exception of $J_i = 1/2$ or $J_f = 1/2$. The author thanks L. A. Sliv for the interest. There are 4 tables and 4 references: 2 Soviet-bloc.

ASSOCIATION: Leningradskiy khimiko-farmatsevticheskiy institut (Leningrad Chemicopharmaceutical Institute)

Статистический миожитель $S\left(J_{1}LJ_{1}\right)$ для переходов типа EL и ML с $L=\{J_{1}...J_{t}\}$

| | J. | | | | 11 | | | | - |
|---|--|-----------------------------|--|---------------------------------|---------------------------------------|--|---|--|--------------|
| _ | -, | 1/8 | % | % | 1/ a | 1/4 | 11/6 | 4/6 | - |
| • | 1/s 3/s 5/s 5/s 7/s 9/s 11/s 13/s | -2 3 4 5 8 7 | 1 9/3 18/7 10/3 41/11 62/13 | 1 6/8 13/7 50/31 100/82 833/143 | 1 9/7 9/7 15/11 11513/419 | 1 4/9 10/7 4/9 ——————————————————————————————————— | 1 15/11 50/89 60/89 15/11 | 18/18 285/145 2700/439 225/145 18/13 | * . |

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| | c | татисти | юсина | иножит | ель $S(JL)$ | J) для пер ≕J <u>==</u> J | еходов не | | пца 3 | i. | | U |
|------|-------|---------|-------|----------|-------------|------------------------------|------------------|-------------------------|---|------------------------------------|---|---|
| | | L | 1/8 | 1/8 | 1/2 | ٧, | 1/8 | 11/2 | 17/9 | | | |
| | . : | 1 2 | 1 | 1/6 1 | 2/83 | 1/st 25/st | 1/35 60/33 | 3/100 175/103 | 1/45 16/18 | | | |
| | | | | • | | | | | ия M_{μ} для четырех: реходов магнятног M_{μ} | | | |
| | | ٠. | | | | · | $l_1 = 1$ | /2 l _f 1/2 | $\left\{\begin{array}{c} \mu_p L - \frac{1}{L} \end{array}\right\}$ | | | |
| .: ; | | • | | | | | l_i+1 | /s / _f +1/ | $J_{>}^{2} \left[(J_{>} + 1)^{3} \left[\mu_{p} + \frac{2}{L_{>}} \right] \right]$ $J_{<}^{2} \left[\mu_{p} - \frac{2J_{>}}{L_{>}} \right]$ | $\left[\frac{J_{<}-1}{L+1}\right]$ | ; | e |
| | Card | 6/6 | • • | | • • • | | I ₁ 1 | /a l _j -1/ | $ J ^2 \left[\mu_p - \frac{\omega_p}{L_p} \right]$ | FT] | • | , |

VOYKHANSKIY, M.Ye.

Dependence of the probability of garma-radiation of nuclei on the moments of state involved in transitions. Izv.vys.ucheb. zav.; fiz. no.3:103-108 61. (MIRA 14:8)

1. Leningradskiy khimiko-farmatsevticheskiy institut.
(Gamma rays) (Nuclear reactions)

· 表示的主题的 1995年,1995年,1995年,1995年,1995年,1995年,1995年,1995年,1995年,1995年,1995年,1995年

VOYKHANSKIY M.YE.

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PHASE I BOOK EXPLOITATION

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Akademiya nauk SSSR. Fiziko-tekhnicheskiy institut im. A. F. Ioffe

Gamma-luchi (Gamma Rays) Moscow, Izd-vo AN SSSR, 1961. 720 p. Errata slip inserted. 3300 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Fiziko-tekhnicheskiy institut im. A. F. Ioffe.

Resp. Ed.: L. A. Sliv, Doctor of Physics and Mathematics; Ed. of Publishing House: N. K. Zaychik; Tech. Ed.: A. V. Smirnova.

PURPOSE: This book is intended for theoretical and experimental physicists working in the field of nuclear spectroscopy and in related fields where gamma rays are utilized. It may also be useful to advanced students of physics.

COVERAGE: The book, representing a symposium of papers whose authors are specialists in their areas, attempts to provide the fullest possible coverage of theoretical and experimental methods of

Card 1/14

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| 4 | | |
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| Ļ | Gamma Rays | 4 |
| | determining nuclear gamma-radiation characteristics and the use of gamma rays to study matter, particularly nuclear structure. The book contains a large number of tables, graphs, and nomographs and can be used as an encyclopedical manual on gamma rays No personalities are mentioned. References accompany each part. | • |
| | TABLE OF CONTENTS [Abridged]: | |
| | Foreword | 3 |
| | PART 1. NUCLEAR RADIATIVE TRANSITIONS IN A SHELL MODEL (M. Ye. Voykhanskiy) | |
| | Ch. 1. Gamma Radiation of Nuclei | 5 |
| | Ch. 2. Radiative Transitions in a Single-Particle Shell Model | 9 . |
| | () | 20 |
| | Card 2/14 | |
| | | |

s/058/62/000/008/015/134 A061/A101

AUTHOR:

Voykhanskiy, M. Ye.

TITLE:

Nuclear radiative transitions in the shell model

PERIODICAL:

Referativnyy zhurnal, Fizika, no. 8, 1962, 34, abstract 8B242 (In collection: "Gamma-luchi", Moscow - Leningrad, AN SSSR, 1961,

The present review (intended primarily for experimenters) contains detailed calculations of the single-particle electromagnetic transition proba-TEXT: bilities with tables and nomograms, and a synopsis of selection rules for singleparticle and many-particle transitions.

v. Neudachin

[Abstracter's note: Complete translation]

Card 1/1

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001861120001-1"

S/058/62/000/008/016/134 A061/A101

AUTHOR:

Voykhanskiy, M. Ye.

TITLE:

Radiative transitions in the generalized nucleus model

PERIODICAL:

Referativnyy zhurnal, Fizika, no. 8, 1962, 34 - 35, abstract 8R243 (In collection: Gamma-luchi, Moscow - Leningrad, AN SSSR, 1961,

44 - 84)

TEXT: The present review (intended primarily for experimenters) contains detailed formulas for the collective and single-particle transition probabilities in deformed nuclei, and tables of eigenfunctions and energy eigenvalues for the problem of proton motion in a single-particle deformed potential field for shell N=5 (i.e., for nuclei with Z > 82). A synopsis of selection rules for asymptotic quantum numbers is given, and tables are compiled for the Clebsch-Gordan coefficients.

V. Neudachin

[Abstracter's note: Complete translation]

Card 1/1

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8/048/61/025/002/015/016 B117/B212

Voykhanskiy, M. Ye. and Peker, L. K. AUTHORS:

Selection rules for beta and gamma transitions on odd-odd

TITLE: nuolei

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, v. 25, PERIODICAL:

no. 2, 1961, 297-308

TEXT: The present paper was read at the 11th Annual Conference on Nuclear Spectroscopy (Riga, January 25 to February 2, 1961). It deals with the asymptotic selection rules and their significance for beta and gamma transitions. The authors have shown that transitions in such nuclei exhibit a number of peculiarities, as compared to transitions in nuclei with an odd A. The beta and gamma transitions in odd-odd nuclei may be divided into two groups (Ref. 9). Transitions between states of the same binding scheme

 Ω_1 = $\Omega_{1i} \pm \Omega_{2i} \rightarrow \Omega_f$ = $\Omega_{1f} \pm \Omega_{2f}$ are called transitions of the first class. Transitions between states of a different binding scheme

Card 1/14

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Selection rules for ...

 $\Omega_1 = \Omega_{11} \pm \Omega_{21} \Rightarrow \Omega_f = \Omega_{1f} \pm \Omega_{2f}$ are called transitions of the second class by the authors. Experimental data on the beta-transition probability (log ft) in odd-odd nuclei are given in Table 2 for deformed nuclei, and in Table 3 for spherical nuclei. These data are divided into groups according to the transition classes and the order of forbiddenness. They show that beta transitions of the second class are, as a rule, marked by larger log ft values. In both classes those transitions are strictly separated which, according to Λ (j or l), are allowed or forbidden. At present, an analysis of gamma transitions in even-even nuclei is practically an analysis of isomeric transitions of $L \geqslant 2$. Table 4 gives experimental data for isomeric transitions of the second class in deformed nuclei. In

11 Na 11, 11 Na 13, 65 b 93, 71 L 103, and 95 147 both interlinks of a doublet. With the exception of gamma transitions in 122 and 11 Na 13, where there is no forbiddenness, all the other transitions are greatly delayed. This delay may be influenced by the A forbidtions are greatly delayed. This delay may be influenced by the A forbiddenness should be found for gamma transitions of the second class, with redenness should be found for gamma transitions of the second class, with redenness should be found for gamma transitions of the second class, with redenness should be found for gamma transitions.

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Selection rules for ...

spect to j or l. It is illustrated by data on transition probabilities of the M4-type. In this case, transitions are only forbidden if the binding scheme changes. The established data point to a strong influence of the A (j of l) selection rules for beta and gamma transitions in nuclei with even A. It is therefore possible to apply for the transition characteristic of odd-odd and even-even, deformed and spherical nuclei not only I, $K,\Omega(I,j)$ but also the quantum numbers A (j or 1). This conclusion agrees with information in Ref. 8 where it was shown that the introduction of asymptotic quantum numbers Λ , Σ is of significance for the classification of the moments of state of odd-odd nuclei. The authors thank M. A. Listengarten for discussing the paper. There are 5 tables and 21 references: 8 Sovietbloc.

ASSOCIATION: Nauchno-issledovatel skiy fizicheskiy institut Leningradskogo gos. universiteta im. A. A. Zhdanova (Scientific Research Institute of Physics, Leningrad State University imeni

Leningradskiy khimiko-farmatsevticheskiy institut (Leningrad Chemicopharmaceutical Institute)

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S/048/61/025/002/015/016 B117/B212

Selection rules for ...

Legend to the Tables: 1) parent and daughter nuclei; 2) energy of the daughter-nucleus level; 3) allowed transitions of first class; 4) allowed transitions of second class; 5) once forbidden first-class transitions; 6) once forbidden second-class transitions

Таблица 2*

в.Пероходы в деформированных идрах с четным А

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| | | 6 O $_{\rm H}$ $\epsilon_{\rm 3} {\rm Eu}_{90}^{152} \rightarrow \epsilon_{\rm 3} {\rm Sm}_{90}^{152}$ $\epsilon_{\rm 3} {\rm Eu}_{91}^{155} \rightarrow \epsilon_{\rm 4} {\rm Gd}_{90}^{154}$ | { 3 | 3 — 3 — 3 — 3 — | 2 2 3 2 2 2 3 2 | рекоди ‡ ‡ | П классі 1087 1235 990 1128 | 9,5 9,7 11,6 11,0 | | V |
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VOYKHANSKIY, M.Ye.

Selection rules for electromagnetic transitions in deformed nuclei.

Zhur. eksp. i teor. fiz. 33 no.4:1004-1009 0 '57. (MIRA 11:1)

1. Leningradskiy pedagogicheskiy Institut im. Gertsena.

(Nuclei, Atomic)

Voy KHanskiy M.Ye.

YOYKHANSKIY M.Ye.

Asymptotic selection rules for the beta decay of deformed muclei.

Asymptotic selection rules for the beta decay of deformed muclei.

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Zhur. eksp. 1 teor. fiz. 33 no.4:1054-1056 0 '57. (MIRA 11:1)

1. Leningradskiy pedagogicheskiy institut im. A.I. Gertsena.

(Nuclei, Atomic-Decay)

YOUR HAMSING

VOYKHANSKIY, M. Ye. Cand Phys-Math Sci -- (diss) "On principles for the selection of Beta and Gamma transitions in strained nuclei." Len, 1958. 10 pp. (Min of Higher Education. Len State Ped Inst im A. I. Gertsen. Chair of Theoretical Physics.) 100 copies. (KL, 8-58, 103)

44950 8/048/63/027/001/039/043 B108/B180 Yoykhanskiy, The probabilities of radiation transitions in odd and TITLE: odd-odd deformed muclei Seriya fizicheskaya, Akademiya nauk SSSR. Izvestiya. PERIODICAL: no. 1, 1963, 118-124 TEXT: The formulas derived by S. Nilsson for the probability of radiative transitions involve very cumbersome computations. The internal wave functions of the deformed nucleus were represented as an expansion with respect to the eigenfunctions of the isotropic harmonic oscillator. present paper is based on a representation through the asymptotic quantum numbers n_z , n_o , Δ , \sum which are associated with the anisotropic harmonic It results in the expansion $\chi_{
m NO}$ oscillator. The radiative transitions are Card 1/3

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The probabilities of radiation ...

considered with the aid of these wave functions. In this representation the selection rules can be introduced more easily than in Nilsson's calculations and the resulting expressions are simpler. Results: the transition probability for odd nuclei is

 $w_{\gamma}(EL) = \frac{\ln 2}{T_{I/I}^{(\gamma)}} = \frac{2(L+1)}{L(2L+1)} \frac{e^{2}}{4e} e_{L}^{2} \frac{1 - (|k| - \frac{1}{2} - L) e}{(L+k)!(L-k)!} \times \frac{E_{\gamma}^{2L+1}}{\lambda (\lambda \omega_{0})^{L} (me^{0})^{L}} [C_{I/K_{ij}}^{I/K_{ij}}]^{2} G_{BL}^{4},$ (25)

(transition with multipolarity EL from the state I_i ; $\Omega_i = K_i$, π_i , N_i , n_{i} , Λ_i , Σ_i into the state I_f , Ω_f). ξ_L is a factor accounting for the recoil effect.

 $G_{EL} = \sum_{\substack{n_{el}, n_{el}+L-|k|=m\\ n_{el}, n_{el}}} \sum_{\substack{n_{el}, n_{el}+L-|k|=m\\ n_{el}, n_{el}}} \sum_{\substack{n_{el}, n_{el}\\ n_{el}}} \delta_{A_{el}, A_{el}} \sum_{\substack{n_{el}, n_{el}\\ n_{el}}} \delta_{B_{el}, n_{el}} \times \langle n_{el}A_{el}| p^{|k|}| n_{el}A_{el} \rangle$ $\times A_{n_{el}, n_{el}} A_{n_{el}, n_{el}} \left[\langle n_{el} \rangle | g^{L-|k|}| n_{el} \rangle - \frac{3-2\epsilon}{9} \delta_{R,k} \delta_{L,k}\right] \times \langle n_{el}A_{el}| p^{|k|}| n_{el}A_{el} \rangle$ (22)

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The probabilities of radiation ..

For an odd-odd nucleus, the reduced transition probability differs from For an odd-odd nucleus, the reduced transform χ_{Ω_1} χ_{Ω_1} χ_{Ω_1} dt, which that of an odd nucleus only by a factor of χ_{Ω_1}

contains the wave functions of the nucleon not involved in the transition The factor GEL for odd-odd nuclei has the form

$$G_{BL} = \sum_{n_{2f}, n_{2i}} \delta_{n_{2f}, n_{2i} + L - \lfloor k \rfloor - 2m} \sum_{A_{ij}, A_{f}} \delta_{A_{i} + A_{f}, \lfloor k \rfloor} \sum_{\substack{x_{ij}, x_{i} \\ y_{ij} = L}} \delta_{-x_{f}, x_{i}} \times A_{n_{2f}x_{f}} \left[\langle n_{2f} \rangle z^{L - \lfloor k \rfloor} | n_{2i} \rangle - \frac{3 - 24}{9} \delta_{k, q} \delta_{L, q} \right] \times \times \langle n_{2f} A_{f} \rangle p^{\lfloor k \rfloor} | n_{2f} A_{i} \rangle.$$

$$(29)$$

The corresponding formulas for magnetic transitions will be published in a later paper. This paper was read at the 12. Annual Conference on Nuclear Spectroscopy, Leningrad, January 26 - February 2, 1962. 1 table.

Card 3/3

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001861120001-1"

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120001-1

USER/Nuclear Physics - Beta-Decay Jun 19
Nuclear Physics - Hydrogen Isotope

"The Problem of Beta-Disintegration of H3," N. Ye.
Voykhanskiy, B. 3. Pahelepov, L. A. Sliv, leningrad State U imeni A. A. Zhdanov, 3 pp

"Dok Ak Mauk SSER" Vol LXVI, No 5

All "mirror" nuclei, type 12

All "mirror" nuclei, type 12

Latin properties of type 12

Latin properties of type 12

Latin properties of type 15

Latin properties 15

Latin prope

VOYKHANSKIY, M. Ye.

Electromagnetic transitions of multipolarity $L=|J_{i}-J_{F}|+1$ Izv. AN SSSR. Ser. fiz. 25 no.2:283-286 P '61. (MIRA 14:3)

1. Leningradskiy khimiko-farmatsevticheskiy institut. (Nuclei, Atomic)

VOYKHANSKIY, M. Ye.; PEKER, L.K.

Selection rules for β and A transitions in odd-odd nuclei.

Izv. AN SSSR. Ser. fiz. 25 no.2:297-308 P *61. (MIRA 14:3)

1. Nauchno-issledovatel'skiy fizicheskiy institut Leningradskogo gosudarstvennogo universiteta im. A. Zhdanova i Leningradskiy khimiko-farmatsevticheskiy institut.

(Nuclei, Atomic)

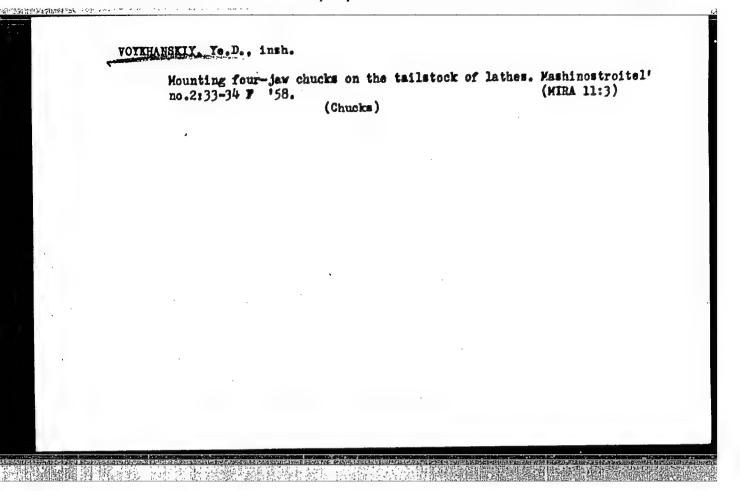
"APPROVED FOR RELEASE: 08/09/2001

Card 1/1 hxe

CIA-RDP86-00513R001861120001-1

L 06496-67 L 06496-67 EWT(m) UR/0367/66/004/001/0066/0071 SOURCE CODE: VOYKHANSKIY, M. Ye.: LISTENGARTEN, M. A.: FERESIN, A. P. Problem of Penetration Effects in Internal Conversion Moscow, Yadernaya Fizika; July, 1966; pp 66-71 ABSTRACT: Anomalies in internal conversion coefficients are connected with the difference in the selection rules for y'-transitions and conversion transitions, due to the penetration of an electron into the nucleus. In cases when the first terms in the expansion of the penetration conversion matrix elements are negligible, higher terms play a significant role, and selection rules with respect to asymptotic quantum numbers are obtained for them. Orig. art. has: 7 formulas and 1 table. Based on authors Eng. abst. JPRS: 37,330 ORG: Leningrad State University (Leningradskiy gosudarstvennyy universitet) TOPIC TAGS: gamma transition, nuclear physics SUB CODE: 20 / SUBM DATE: 07Jul65 / ORIG REF: 014 / OTH REF:

| CC NR: AP6007681 | (A) | SOURCE CODE: | UR/0413/66/000/003/0059/ | 0059 |
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| RG: none | | · · | The state of the s | 36 |
| remounced by the 8c; | lentific Resear | ch Institute fo: | ymer film. Class 39, No. r the Construction of Chem | of col |
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| OURCE: Izobreteniye | a, promyshlenny; | ye obraztsy, to | varnyye znaki, no. 3, 1966 | 5, 59 |
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VOYKHANSKIT YED

AUTHOR:

Voykhanskiy, Ye.D., Engineer

117-2-17/29

TITLE:

Fixture for Attaching a Four-Jaw Chuck on a Tailstock (Ustanovka

chetyrekhkulachkovogo patrona na zadney babke stanka)

PERIODICAL:

Mashinostroitel', 1958, # 2, p 33-34 (USSR)

ABSTRACT:

The described fixture - used at the plant "Ekonomayzer" serves for attaching four-jaw chucks on lathe tailstocks. The four-jaw chucks provide a more rigid hold than the usual tailstock center and so relieve the vibration of the workpiece, which permits better utilization of the lathe capacity. This fixture also eliminates some operations, which can be seen in the example of machining a 1550 mm long, 270 mm diameter supercharger gear which formerly had to be positioned on a boring tool for milling the face surfaces, then to be removed and positioned on the indexing plate for indexing. Then the center holes had to be drilled on a radial drilling or a boring machine, and ohly after that could the gear blank be positioned on a lathe for further machining. The tailstock fixture for four-jaw chuck has made all these operations unnecessary:

There is 1 drawing.

AVAILABLE:

Library of Congress

Card 1/1

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001861120001-1"

YERMILOV, Valentin Georgiyevich; VOYKHANSKIY, Yo.A., redaktor; DIZHUR, I.M. redaktor izdatel stva; TIKHONOVA, Ye.A., tekhnicheskiy redaktor

[Regulating steem distribution in marine steem powered machinery]
Regulirovanie paroraspredeleniia sudovykh parovykh mashin. Moskva.
Izd-vo "Morskoi transport." 1956. 129 p. (MLRA 10:4)
(Steem engineering) (Marine engines)

YOYKIN, G., slesar'

公理**的**是对对对,让对对对对对对对对对对对对对对对对

Increasing the durability of plunger pairs of pump and injector units. Avt.transp. 37 no.4:49-50 Ap 159. (MIRA 12:6)

1. Avtotransportnaya kontora No.5 avtotresta Glavleningradstroya.
(Diesel engines--Fuel systems)

VOYKIN, C. M., Cand Biol Sci (diss) -- "Forms of phosphates, the absorption and transformation of phosphorus fertilizers in the soils of the Tatar ASSR".

Kazan', 1959. 17 pp (Min Higher and Inter Spec Educ RSFSR, Kazan' Order of Labor Red Banner State U im V. I. Ul'yanov-Lenin), 150 copies (KL, No 10, 1960, 128)

Country : USSR

Category: Soil Science. Physical and Chemical Properties of Soil.

Abs Jour: NZhBiol., No 18, 1958, No 82096

Author : Madanov, P.V.; Voykin, L.M.

Inst : Kazan Univ.

Title : Absorption of PO4 Anion by Some Soils of the Tatar

Region.

Orig Pub: Uch. zap. Kazansk un-ta, 1956, 116, No 5, 175-180

Abstract: Black earth and podzolic types of soil in the Tatar

region had a high absorption capacity for water soluble phosphates ($KH_2PO_{i_{\downarrow}}$), especially carbonates of black earth and cinnemon-gray soils. Strongly podzolic soils had the smallest absorbing capacity. The

Card : 1/2

VOYKIN, L.M.

USSR/Cultivated Plants - Grains.

M-2

Abs Jour

: Ref Zhur - Biol., No 20, 1958, 91621

Author

: Voykin, L.M.

Inst

: Kazan University

Title

: Influence of Pre-Sowing Treatment of Seeds with KH2POh

Solution on the Yield of Spring Wheat.

Orig Pub

: Uch. zap. Kazansk, un-ta, 1957, 117, No 2, 250-253.

Abstract

: The moistening of Lutescens 62 spring wheat seeds (laboratory tests) in KH₂PO₄ solution of 0.1 N concentration caus sed a boost in the above-ground and root mass of the crop by 1⁴ - 16% in comparison with the control (moistening in water). In the field experiments of 195⁴ - 1956, the same treatment increased the yield, averaging 1.0⁴ centner/hectare or 10.2% in three years. -- M.V. Dranishnikov.

Card 1/1

VOYKOV, V. T.

USSR/Chemistry Synthesis

Card

2 1/1

Authors . . .

Petrov, A. D., Ponomarenko, V. A., and Voykov, V. I.

Synthesis and properties of alpha- and gamma-mothylallyl silanes

Periodical

Izy. AN SSSR. Otd. Khim. Nauk., 3. 504 - 510, May - June 1954

Abstract

The synthesis of alpha- and gamma-methylallyl silanes in accordance with the Grignard-Wuertz reactions and by the utilization of crotyl halides, which calls for the study of the allyl regrouping of the halides, is described. The ability of these new type alkenyl silanes (with H-atom in the silicen) to rhodanize in the case of diluted solutions was determined by their chemical properties. The physical properties of these unsaturated hydrocarbon bilicates compared with the properties of homologous olefins, are given in a table. Eight references: 5 USSR,

3 USA. Table, graphs.

Institution : Acad. of Sc. USSR, The J. D. Zelinskiy Institute of Org. Cherdstry

Submitted

: July 17, 1953

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001861120001-1"

WOYKIN, A.H., inzhener; TUROV, M.G., inzhener.

Paralles of working out the technical designs of building machinery parts and units. Stroi. i dor. mashinostr. 1 no.4:33-34 Ap '56.

(Building machinery)

(Building machinery)

MADANOV, P.V.; VOYKIN, L.M.

Madified Eappen's method for determining the sum of exchangeable bases as applicable to thermozem soils. Uch.sep.Kas.um. 114 no.1:69-72 "54.

(MIRA 10:3)

1. Kafedra pochvovedeniya.

(Tatar A.S.S. B.—Soils—Analysis)

(Galcium) (Magnesium)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120001-1

MADANOV, P.V.; VOYKIN, L.M.

Method for determining the sum of exchangeable bases (Ca and Mg) in carbonaceous soils. Uch.zap.Kez.un. 114 no.1:73-78 154.

1. Kafedra pochvovedeniya.
(Soils—Analysis) (Calcium) (Magnesium)

MADANOV, P.V., prof.; VOYKIN, L.H., assistent; VOZOVIK, I.S., inzh.

Plow attachment for the placement of mineral fertilizers at the time of plowing. Zemledelie 7 no.12:80-81 D '59.
(MIRA 13:3)

1. Kazanskiy gosudarstvennyy universitet imeni V.I.Ul'yanova-Lenina (for Madanov, Voykin). 2. Kazanskaya gosudarstvennaya sel'skokhozyaystvennaya opytnaya stantsiya (for Vozovik). (Plows--Attachments) (Fertilizer spreaders)

VOYKIN, L. M.

USSR/Soil Cultivation. Physical and Chemical Properties of Soils. J-2

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1214.

Author: Madanov, P.V., Voykin, L.M.

Inst

Title : A Simplified Method for Determining the Total of Exchanged Alkali-

Earth Bases in Non-Carbonate Chernozems.

Orig Pub: Pochvovedeniye, 1956, No 12, 80-82.

Abstract: The offered method is based upon an irreversible reaction,

occurring between the exchanged alkali-earth bases of earth and 0.1 normal $K_2C_2O_{l_1}$ with formation of insoluble $CaC_2O_{l_1}$ and $MgC_2O_{l_1}$, which leads to a reduction in the concentration of $K_2C_2O_{l_1}$ in the solution, in a quantity equivalent to the total of the exchanged Ca and Mg of the soil. Ten grams of soil, ground and forced through a one-mm. sieve, are put in a 350 ml. retort; then 250 ml. of 0.1 normal $K_2C_2O_{l_1}$ are added, the solution is shaken up for an hour and left to sit for 24 hours with

Card : 1/2

-5-

USSR/Soil Cultivation. Physical and Chemical Properties of Soils.

J-2

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1214.

periodic shakings. It is filtered through a double filter, and to 50 ml. of the filtrate 20 ml. of 10% H₂SO₁ solution and 0.3 g. of activated carbon are added. This is heated (while being stirred) almost to the boiling point and filtered; the precipitate on the filter is washed in a 10% H₂SO₁ solution. The filtrate is heated to boiling point and titrated with 0.1 normal KMnO₁ until it is pale rose in color. The results achieved by this method with 33 specimens of leached and fertile chernozems of the Volga-Kama wooded steppe agree with those attained by the K.K. Gedroyts method.

Card : 2/2

-6-

VOYMIN, LIM

MADANOV. P.V.; VOYKIN, L.M.

Simplified method for determining the amount of alkali bases in some noncarbonaceous Chernozem soils. Pocvovedenie no.12:80-82 D 156. (MLRA 10:2)

1. Kazanskiy gosudarstvennyy universitet. (Chernozem soils-Analysis)

MADANOV, P.V.; VOYKIH, L.M.

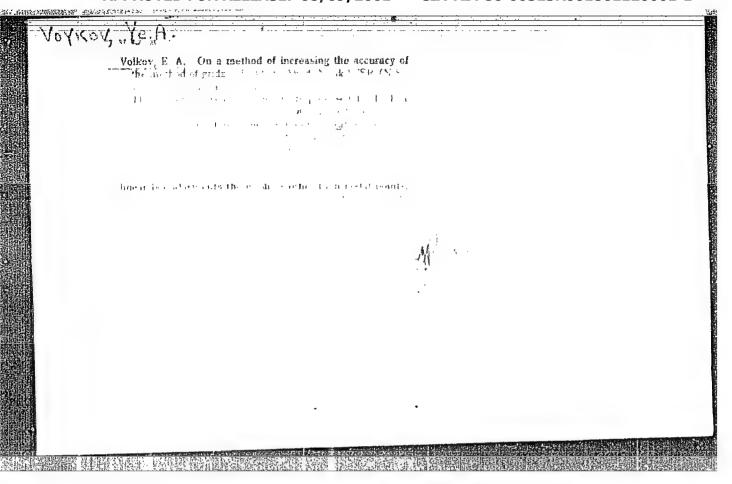
Absorption of the PO, anion by some soils of Tatarstan. Uch.

sap.Kag.un. 116 no.5:175-180 '56. (MLRA 10:4)

1. Kafedra pochvovedeniya.
(Tatar A.S.S.R.-Soil absorption)
(Phosphates)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120001-1



DOBZHITSKIY, Yan. [Pobrzycki, Jan]; KATS, V.N. [translator];
KARTASHOl, A.K., red.; VOYKOVA, A.A., red.

[Juice purification in sugar manufacture. Translated from the Polish] Ochistka sokov v sakharnom proizvodstve. Mcthe Polish | Ochistka promyshlennost', 1964. 206 p.

skva, Pishchovaia promyshlennost', 1964. (MIRA 17:9)

VELIKAYA, Yelizaveta Ivanovna; SUKHODOL, Viktoriya Fominichna; TOMASHEVICH, Vladimir Konstantinovich SMIRNOV, V.A., prof., retsenzent; MALCHELKO, A.L., prof., retsenzent; FERTMAN, G.I., prof., retsenzent; VOIKGVA, A.A., red.

[General methods of control in fermentation industries]
Obshchie metody kontrolia brodil'rykh proizvodstv. Moskva, Pishchevaia prozyshlennost', 1964. 273 p.
(MIRA 17:9)

VOYKOVA, A.A., redaktor; CHEBYSHEVA, Ye.A., tekhnicheskiy redaktor.

[Canning industry: mechanization and organization of production in canning factories] Konservnaia promyshlennost; mekhanizatsiia in organizatsiia proizvodstva na konservnykh i ovoshchesushil'nykh i organization of production

1. Moscow. Vsescyuznyy nauchno-issledovatelskiy institut konservnoy promyshlennosti.
(Canning and preserving)

WHENNAN, R.S. [Hannan, R.S.]; RAYSKAYA, M.O.[translator]; CHERNYAYEV. N.D. [translator]; ROGACHEV, V.I., kand, tekhn.anuk, red.; VOYKOVA, A.A., red.; CHEBYSHEVA, Ye.A., tekhn.red.

[Scientific and technological problems involved in using ionizing radiation for the preservation of food. Translated from the English] Nauchnye i tekhnologicheskie problemy primeneniia ioniziruiushchikh izluchenii dlia konservirovaniia pishchevykh produktov. Moskva, izlucheniidat, 1957. 278 p.

(Radiation sterilization)

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001861120001-1"

VOYKOVA, A:A: ZAYTSHV, Nikolay Vladimirovich; VOYKOVA, A.A., red.; GOTLIB, R.M., tekhn. red. [Assembling and repairing equipment used in the food industry] Montash i remont oborudovaniia pishchevoi promyshlennosti. Moskva, Pishchepromisdat, 1957. 335 p.

(Food industry-Equipment and supplies)

CIA-RDP86-00513R001861120001-1" APPROVED FOR RELEASE: 08/09/2001

SERGEYEV. A.G., kand.tekhn.nauk; VOIKOVA, A.A., red.; TARASOVA, N.M., tekhn.red. [Refining cottonseed oil] Rafinatsiia khlopkovogo masla. [Moskva, Pishchepromizdat, 1959. 120 p. (MIRA 12:7)

KAGANOV, Isaak Natanovich; MIKHATOVA, Galina Nikolayevna;
VOYKOVA, A.A., red.

[Chemical and technical calculations and accounting in sugar manufacture] Khimiko-tekhnicheskie raschety i uchet v sakharnom proizvodstve. Moskva, Pishchevaia promyshlennost, 1964. 330 p. (MIRA 18:4)

VOSTOKOV, Aleksey Izmailovich; LEPESEKIN, Ivan Pavlovich; EUDNYY, Anatoliy Vladimirovich; VOYKOVA. A.A., red.

[Calculating the technological capacity of the equipment and structures of sugar best plants] Raschet tekhnickerskoi moshehnosti obcrudovaniia i scoruzhenii sveklosaklarnykh zavodov. Izd.2., perer. i dop. Moskva, Pishchevaia promyshlennosti, 1965. 515 p. (MIRA 18:3)

KUL'MAN, Avgust Gustavovich; REBINDER, P.A., akademik, red.; VOYKOVA, A.A., red.; ZARSHCHIKOVA, L.N., tekhm.red.

[Physical and colloid chemistry] Fizicheskaia i kolloidnaia khimiia. Izd.3, perer. Moskva, Pishchepromizdat, 1963. 503 p. (MIRA 17:2)